

ABSTRACT OF THE DISCLOSURE

An initial sequence number generator is provided that prevents the local server from being attacked while maintaining reliable data transfer. A random intermediate value is created that is unique to each connection identifier and is combined with a random value created from a global counter to generate the initial sequence number. The counter capable of monotonically increasing by both a fixed and variable amount for ensuring that the same connection identifier does not have data collisions from competing sequence numbers within a predetermined period of time, and also to ensures randomness of the initial sequence number on a per connection basis for preventing attacks on the local server.

WORKMAN NYDEGGER
A PROFESSIONAL CORPORATION
ATTORNEYS AT LAW
1000 EAGLE GATE TOWER
60 EAST SOUTH TEMPLE
SALT LAKE CITY, UTAH 84111